

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF THE CLAIMS

1. (Currently Amended) A method for controlling and monitoring, ~~from a server,~~ transfers of jobs from clients connected in ~~the~~ a network to shared resources connected in the network, ~~wherein the steps of the method~~ comprising:

- receiving, at a server, from a client connected in the network, a request to be allowed to send a job to a selected shared resource connected in the network; ~~and~~

- assigning an identity to the job;

- checking continuously, by the server, whether ~~said~~ the shared resource ~~connected in the network~~ is accessible and has capacity for receiving [[a]] the job at present~~[[,]]; wherein~~

- sending a go-ahead ~~is sent immediately~~ to the client ~~connected in the network~~ that the client can send the job directly to the selected shared resource, the go-ahead including the identity assigned to the job so that the network may identify the job, the sending being executed if the checking continuously determines that the selected shared resource is accessible and has capacity to receive [[a]] the job at present;

- placing the request ~~is placed~~ in a queue for the selected shared resource, if the checking continuously determines that the selected shared resource ~~connected in the network~~ is accessible but at present lacks capacity for receiving ~~[[a]] the job~~, the queue ~~is being~~ updated continuously; ~~and~~

- sending ~~[[a]] the~~ go-ahead ~~is sent~~ to the client ~~connected in the network~~ that the client can send the job directly to the selected shared resource, ~~when if~~ the request ~~has advanced to the~~ is in a first position in ~~said the~~ queue and the checking continuously determines that the selected shared resource has capacity to receive ~~[[a]] the job at present~~; ~~and~~

- notifying, by the server, the client ~~connected in the network~~ ~~is notified~~ not to send the job, if the checking continuously determines that the selected shared resource is not accessible; ~~wherein~~

~~—said step of receiving a request from a client connected in the network is followed by assigning an identity to the job, which is notified the client connected in the network, and said identity is comprised in the go-ahead, which is sent to the client connected in the network that the client can send the job directly to the selected shared resource, so that the client connected in the network based on said identity is capable of identifying said job; and~~

- receiving, from the client, a confirmation ~~of the fact~~ indicating that the job has been completed successfully by the shared resource or ~~an indication of the fact~~ that the job has not been completed successfully by the shared resource ~~is received from the client~~; and

- removing the ~~after which said request is removed from said~~ the queue
upon receipt of the confirmation.

2. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further
comprising:

- repetitively receiving, from the client, updated status information
regarding the completion of the job by the shared resource, the repetitively
receiving occurring after the sending the go-ahead and before the receiving the
confirmation ~~is received from the client connected in the network repetitively~~
~~between said go-ahead is sent to the client connected in the network and said~~
~~confirmation that the job has been completed successfully by the shared~~
~~resource or said indication that the job has not been completed successfully by~~
~~the shared resource is received, wherein absence of such updated status~~
~~information indicates~~ the repetitively receiving indicating an operation error of
the client ~~connected in the network~~, or a communication error ~~in the~~
~~communication~~ between the client and the server.

3. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further
comprising:

- receiving a confirmation that ~~said assigned~~ the identity has been
received by the client ~~connected in the network~~, ~~is received.~~

4. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further comprising:

- receiving a confirmation that the go-ahead, ~~which is sent to the client connected in the network that he/she may send the job to the selected shared resource directly~~ has been received by the client ~~connected in the network,~~ is received.

5. (Currently Amended) [[A]] The method of claim 4, wherein ~~said the~~ confirmation that the go-ahead, ~~which is sent to the client connected in the network that he/she may send the job to the shared resource directly~~ has been received[[,]] is also ~~confirmation~~ indicates that the job has been or will be sent to the shared resource directly.

6. (Currently Amended) [[A]] The method of claim 1, wherein ~~said the~~ shared resource is a printer and ~~said the~~ job is a print job.

7. (Currently Amended) [[A]] The method of claim [[6]] 1, wherein ~~said the~~ shared resource is a transmitter device, ~~particularly~~ a telefax apparatus, a displaying unit, ~~particularly~~ a projector, ~~or~~ a device for storing data, ~~particularly~~ a CD recorder, or a DVD recorder ~~or similar~~, and wherein the ~~said~~ job is a job to send, display, or store data.

8. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further comprising:

- sending information regarding a status of the shared resource ~~is sent~~ to the client ~~connected in the network~~.

9. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further comprising:

- storing a version of client software for the client ~~connected in the network~~, ~~which relates~~ the software relating to communication with the selected shared resource, ~~is stored;~~

- receiving, from the client, information ~~is received from the client connected in the network concerning of a~~ the version of the client software the client ~~connected in the network~~ is using for communication with the selected shared resource[[,]];

- comparing the version[[s]] of the stored client software and the version of the client software in use ~~of the client softwares are compared;~~ and

- transferring a copy of ~~said~~ the stored client software ~~is transferred~~ to the client or ~~installed on~~ installing a copy of the stored client software on the client ~~connected in the network~~, executing the transferring or the installing if ~~said comparison shows~~ the comparing determines that the version of the stored client software is ~~younger~~ newer than the version of the client software in use ~~used by the client connected in the network~~.

10. (Currently Amended) [[A]] The method of claim 9, wherein ~~said~~ the receiving information ~~regarding~~ of the version of the client software the client ~~connected in the network~~ is using[[,]] is executed ~~received together~~ with ~~said~~ the receiving the request to be allowed to send [[a]] the job to the selected shared resource.

11. (Currently Amended) [[A]] The method of claim 1, wherein [[-]] ~~said~~ the request to be allowed to send [[a]] the job to the selected shared resource ~~comprises~~ includes a user domain and a user identity for the client ~~connected in the network~~, the method further comprising:

- checking whether ~~it is checked that~~ the client ~~connected in the network~~ has authorization to send [[a]] the job to the selected shared resource[[,]]; and
- sending an error code to the client, if the client ~~connected in the network~~ does not have authorization to send [[a]] the job to the selected shared resource ~~an error code is sent to the client connected in the network~~.

12. (Currently Amended) [[A]] The method of claim 11, ~~wherein~~ further comprising:

- checking a user priority of the client, if the client ~~connected in the network~~ has authorization to ~~be allowed to~~ send [[a]] the job to the selected shared resource ~~it is checked which user priority the client connected in the network has~~; and

- placing the said request is put in said the queue depending on the user priority of the client ~~connected in the network~~.

13. . (Currently Amended) [[A]] The method of claim [[1]] 3, ~~wherein~~ further comprising:

- receiving, from the client, information of ~~the~~ a size of ~~said the~~ job is ~~received from the client connected in the network~~.

14. (Currently Amended) [[A]] The method of claim 13, wherein ~~said the~~ receiving information of the size of the ~~said the~~ job is ~~received together~~ executed with the receiving the ~~said~~ confirmation that ~~said assigned the~~ identity has been received.

15. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further comprising:

- continuously checking a status of ~~the~~ shared resources in the network ~~is checked continuously~~.

16. (Currently Amended) [[A]] The method of claim 1, ~~wherein~~ further comprising:

- continuously copying information regarding status of shared resources in the network, information regarding queues, ~~and~~ information regarding clients, and information regarding jobs ~~are continuously copied~~ to a second

server ~~for controlling and monitoring of~~ configured to control and monitor
transfers of jobs.

17. (Currently Amended) A computer-readable medium storing
~~program product downloadable into the internal memory of a server and~~
~~comprising software code portions for performing the method of claim 1 when~~
~~said computer program product is executed on said~~ that cause a server to
execute:

- receiving, from a client connected in the network, a request to be
allowed to send a job to a selected shared resource connected in the network;

- assigning an identity to the job;

- checking continuously whether the shared resource is accessible and
has capacity for receiving the job at present;

- sending a go-ahead to the client that the client can send the job directly
to the selected shared resource, the go-ahead including the identity assigned to
the job so that the network including the client may identify the job, the
sending being executed if the checking continuously determines that the
selected shared resource is accessible and has capacity to receive the job at
present;

- placing the request in a queue for the selected shared resource, if the
checking continuously determines that the selected shared resource is
accessible but at present lacks capacity for receiving the job, the queue being
updated continuously;

- sending the go-ahead to the client that the client can send the job directly to the selected shared resource, if the request is in first position in the queue and the checking continuously determines that the selected shared resource has capacity to receive the job at present;
- notifying the client not to send the job, if the checking continuously determines that the selected shared resource is not accessible;
- receiving, from the client, a confirmation indicating that the job has been completed successfully by the shared resource or that the job has not been completed successfully by the shared resource; and
- removing the request from the queue upon receipt of the confirmation.

18. (Currently Amended) ~~[[A]]~~ The computer-readable medium server ~~having the computer program product~~ of claim 17, wherein the code portions are configured to be downloaded onto the server.

19. (Currently Amended) A method ~~for transfer~~ of transferring a job from a client connected in ~~the~~ a network to a shared resource connected in the network and selected by the client, comprising ~~among several shared resources connected in the network, wherein the steps of:~~

- sending, to a server ~~for~~ configured to controlling and monitoring transfers of jobs to shared resources connected in the network, a request to be allowed to send ~~[[a]]~~ the job directly to the selected shared resource ~~connected in the network, where said the server is adapted~~ being further configured to,

assign an identity to the job and communicate the identity, ~~which is communicated to the client connected in the network, to~~

place the request in a queue for the selected shared resource, to

update the queue continuously, and to

~~give~~ transmit a go-ahead to the client ~~connected in the network when he/she is next~~ to send the job to the selected shared resource, if the request is in a first position in the queue; and

~~- receiving a message of said identity from said server;~~

- preparing and storing said the job;

- receiving ~~[[a]]~~ the go-ahead from said the server ~~that the job may be sent to the selected shared resource, where the go-ahead comprises said including the identity assigned to the job so that said job can be identified based on said identity;~~

- sending the job directly to the selected shared resource; ~~and~~

- receiving, from the selected shared resource, a confirmation indicating that the job has been completed successfully by the shared resource or ~~an indication of the fact~~ that the job has not been completed successfully by the shared resource~~[[,]]~~; and

- forwarding this the confirmation or indication to the server, the server being further configured to so that removal of remove the request from said the queue in response to the confirmation is made possible.

20. (Currently Amended) [[A]] The method of claim 19, further comprising: wherein

- repetitively sending, to the server, updated status information regarding the completion of the job by the shared resource, the repetitively sending occurring after the receiving the go-ahead and before the forwarding the confirmation ~~is sent to said server repetitively between said go-ahead is received from said server and said confirmation that the job has been completed successfully by the shared resource or said indication that the job has not been completed successfully by the shared resource is received from the shared resource and is forwarded to said server, wherein absence of such the updated status information on said the server indicates indicating an operation error of the client connected in the network, or a communication error in the communication between the client and the server.~~

21. (Currently Amended) [[A]] The method of claim 19, further comprising: wherein

- sending a confirmation that said message of said the assigned identity has been received by the client, ~~is sent to said server.~~

22. (Currently Amended) [[A]] The method of claim 19, further comprising: wherein

~~- sending a confirmation, to the server, that said the go-ahead that the job may be sent to the selected shared resource has been received by the client, is sent to said server.~~

23. (Currently Amended) [[A]] The method of claim 22, wherein ~~said the~~ confirmation that ~~said the~~ go-ahead has been received ~~is also~~ includes a confirmation that the job has been or will be sent to the shared resource.

24. (Currently Amended) [[A]] The method of claim 19, wherein ~~said the~~ shared resource is a printer and ~~said the~~ job is a print job.

25. (Currently Amended) [[A]] The method of claim 24 19, wherein ~~said the~~ shared resource is a transmitter device, ~~particularly~~ a telefax apparatus, a displaying unit, ~~particularly~~ a projector, ~~or~~ a device for storing data, ~~particularly~~ a CD recorder, or a DVD recorder ~~or similar~~, and wherein the said job is a job to send, display, or store data.

26. (Currently Amended) [[A]] The method of claim 19, ~~wherein~~ further comprising:

~~- sending, to the server, information is sent to said server concerning of a the version of the client software the client connected in the network is using for communication with the selected shared resource[[,]]; and~~

- receiving, from the server, a copy of [[a]] client software stored by the server, ~~is receive from said server~~ if said the client software stored by the server ~~is copy~~ has a later newer version number than ~~the version number~~ of the client software the client ~~connected in the network~~ is using.

27. (Currently Amended) [[A]] The method of claim 26, wherein ~~said the~~ sending information ~~regarding~~ the version of the client software the client ~~connected in the network~~ is using[[,]] ~~is sent to said server together~~ executed with said the sending the request to be allowed to send [[a]] the job to the selected shared resource.

28. (Currently Amended) [[A]] The method of claim 19, wherein ~~[-]~~ ~~said~~ the request to be allowed to send [[a]] the job to the selected shared resource ~~comprises~~ includes a user domain and a user identity for the client ~~connected in the network;~~ and, the method further comprising:

- receiving an error code ~~is received~~ from said the server, if the client ~~connected in the network~~ does not have authorization to send [[a]] the job to the selected shared resource.

29. (Currently Amended) [[A]] The method of claim 21 ~~19~~, wherein further comprising:

- sending information of ~~the~~ a size of said the job ~~is sent~~ to said the server.

30. (Currently Amended) [[A]] The method of claim 29, wherein ~~said the~~ sending information of the size of the ~~said~~ job is ~~sent to said server together~~ executed with the sending ~~said the~~ confirmation that ~~said the~~ assigned identity has been received.

31. (Cancelled)

32. (Currently Amended) A computer-readable medium storing code portions that cause a client terminal to execute the method of claim 19 ~~having the computer program product of claim 31 downloaded.~~

33. (Currently Amended) A network comprising:
at least one server including the computer-readable medium of claim 17
~~according to claim 18.~~

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